

**Consolidated Water Use Efficiency 2002 PSP
Proposal Part One:
A. Project Information Form**

1. Applying for (select one): ☒ (a) Prop 13 Urban Water Conservation Capital Outlay Grant
☐ (b) Prop 13 Agricultural Water Conservation Capital Outlay Feasibility Study Grant
☐ (c) DWR Water Use Efficiency Project
2. Principal applicant (Organization or affiliation): City of West Covina
3. Project Title: Pool Cover For Municipal Pool
4. Person authorized to sign and submit proposal:
- | | |
|-----------------|---|
| Name, title | <u>Barbara Briley, Admin. Analyst</u> |
| Mailing address | <u>P.O. Box 1440</u> |
| Telephone | <u>West Covina, CA 91793</u>
<u>(626) 814-8425</u> |
| Fax. | <u>(626) 813-8660</u> |
| E-mail | <u>barbara.briley@westcov.org</u> |
5. Contact person (if different):
- | | |
|------------------|---|
| Name, title. | <u>Michael Wallich, Contract</u> |
| Mailing address. | <u>Coordinator</u>
<u>P.O. Box 1440</u> |
| Telephone | <u>West Covina, CA 91793</u>
<u>(626) 814-8458</u> |
| Fax. | <u>(626) 813-8631</u> |
| E-mail | <u>mike.wallich@westcov.org</u> |
6. Funds requested (dollar amount): \$14,000
7. Applicant funds pledged (dollar amount): \$2,100
8. Total project costs (dollar amount): \$16,100
9. Estimated total quantifiable project benefits (dollar amount): \$8,000
- Percentage of benefit to be accrued by applicant: 50%
- Percentage of benefit to be accrued by CALFED or others: 50%

**Consolidated Water Use Efficiency 2002 PSP
Proposal Part One:**

A. Project Information Form (continued)

10. Estimated annual amount of water to be saved (acre-feet): .34 acre feet, (110,600
gals. per year
- Estimated total amount of water to be saved (acre-feet): 2.38 acre-feet
- Over ____ years 7 years
- Estimated benefits to be realized in terms of water quality,
instream flow, other: Immediate ater
savings, payback
period only 2 years.
One-time Purchase
11. Duration of project (month/year to month/year): 60th
12. State Assembly District where the project is to be conducted: 29th
13. State Senate District where the project is to be conducted: 28th
14. Congressional district(s) where the project is to be conducted: Los Angeles
15. County where the project is to be conducted: N/A
16. Date most recent Urban Water Management Plan submitted
to the Department of Water Resources: _____
17. Type of applicant (select one):
- Prop 13 Urban Grants and Prop 13
- Agricultural Feasibility Study Grants:
- ☒ (a) city
- ☐ (b) county
- ☐ (c) city and county
- ☐ (d) joint power authority
- ☐ (e) other political subdivision of the State,
including public water district
- ☐ (f) incorporated mutual water company
- DWR WUE Projects: the above
entities (a) through (f) or:
- ☐ (g) investor-owned utility
- ☐ (h) non-profit organization
- ☐ (i) tribe
- ☐ (j) university

- ☐ (k) state agency
☐ (l) federal agency

18. Project focus:

- ☐ (a) agricultural
☒ (b) urban

**Consolidated Water Use Efficiency 2002 PSP
 Proposal Part One:
 A. Project Information Form (continued)**

19. Project type (select one):
 Prop 13 Urban Grant or Prop 13
 Agricultural Feasibility Study Grant
 capital outlay project related to:

- ☒ (a) implementation of Urban Best
 Management Practices
☐ (b) implementation of Agricultural Efficient
 Water Management Practices
☐ (c) implementation of Quantifiable
 Objectives (include QO number(s))

- ☐ (d) other (specify)

DWR WUE Project related to:

- ☐ (e) implementation of Urban Best
 Management Practices
☐ (f) implementation of Agricultural Efficient
 Water Management Practices
☐ (g) implementation of Quantifiable
 Objectives (include QO number(s))
☐ (h) innovative projects (initial
 investigation of new technologies,
 methodologies, approaches, or
 institutional frameworks)
☐ (i) research or pilot projects
☐ (j) education or public information
 programs
☐ (k) other (specify)

20. Do the actions in this proposal involve
 physical changes in land use, or
 potential future changes in land use?

- ☐ (a) yes
☒ (b) no

If yes, the applicant must complete the CALFED
PSP Land Use Checklist found at
[http://calfed.water.ca.gov/environmental_docs.ht
ml](http://calfed.water.ca.gov/environmental_docs.html) and submit it with the proposal.

**Consolidated Water Use Efficiency 2002 PSP
Proposal Part One
B. Signature Page**

By signing below, the official declares the following:

The truthfulness of all representations in the proposal;

The individual signing the form is authorized to submit the proposal on behalf of the applicant; and

The individual signing the form read and understood the conflict of interest and confidentiality section and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant.

Signature

Name and title

Date

PROJECT SUMMARY

The City of West Covina owns, maintains, and operates a community swimming pool. The pool is located at 1720 West Merced Avenue. The pool is used extensively during the summer for swim classes and recreational swim. It is also used throughout the entire year by the West Covina Unified School District for their swim programs. Because the pool is used year-round, it is also heated year-round. In an effort to reduce utility costs and save energy, the City intends to purchase a cover for the pool.

A. Scope of Work: Relevance and Importance

1. Nature, scope, and objectives of the project. The City has researched the feasibility of installing a cover for the swimming pool. It is a very cost-effective and easily achieved means to reduce utility costs and save energy.
2. Statement of critical local, regional, Bay-Delta, State or federal water issues. The potential energy and water savings for the City's pool if a cover were installed would be substantial. This project will assist local water purveyors in their effort to reduce water consumption and is an ideal Best Management Practice for the following reasons:
 - B. It will reduce the amount of evaporation thereby reducing the amount of water needed to fill the pool
 - C. It will reduce the amount of natural gas needed to heat the pool
 - D. It will reduce the amount of chemicals required
 - E. The payback time on the investment is two years

F. Scope of Work: Technical/Scientific Merit, Feasibility, Monitoring and Assessment

1. Methods, procedures, and facilities. The United States Department of Energy conducted a Pool Cover Analysis (Attachment 1) for the City of West Covina. The summary of the analysis provides projected savings with the installation of a pool cover. They project a reduction in energy costs of 24.4% or \$7,977 annually and a reduction in water consumption by 25.7% or approximately 110,600 gallons annually.

The cover is guaranteed for three years and has a life expectancy of five to ten years.

2. Task List and Schedule. This proposal is for a one-time purchase. Once ordered, the product can be delivered and installed within three to five weeks. A recent quote was obtained from Knorr Systems, Incorporated in the amount of \$13,727 for the pool cover(s) and associated appurtenances (Attachment 2).

3. Monitoring and assessment. The progress of this project is easily monitored based on water, electric and gas bills from pre and post installation of the pool cover. An example of past electric and gas bill costs is attached (Attachment 3)

4. Preliminary Plans and Specifications and Certification Statements. Not applicable.

G. Qualifications of the Applicants and Cooperators

1. The City of West Covina was incorporated in 1923 and has a current population of 105,000. The City owns and operates a community pool. The City offers year-round swim programs for the community.

The Public Works' Maintenance Division is responsible for the maintenance and upkeep of the pool. The Community Services Department schedules and monitors pool usage.

For the purpose of the proposed project, Michael Wallich, a Contract Coordinator in the Maintenance Division, will be the project manager. Mr. Wallich is a pool specialist who oversees the day-to-day supervision of the community pool.

2. As previously mentioned, the West Covina Unified School District uses the pool year-round for their swim programs. The School District is very supportive of this project, primarily because they currently share the costs for the maintenance and utilities. They should realize a savings of over \$4,000 a year if the pool cover is installed.

H. Benefits and Costs

1. Budget Breakdown and Justification. The following is a breakdown of the cost for the equipment required for the project:

A. Qty	A. Description	A. Price
3 ea.	MacBall Heatsaver V, 15' x 75' insulated pool cover panels with C2 weighted edging, 3-year warranty (for deep part – swim lanes)	\$6,798.00
2 ea.	MacBall Heatsaver V, 15' x 43' insulated pool cover panels with C2 weighted edging, 3-year warranty (for shallow end)	
1 ea.	MacBall 733-15, 3-roller, stainless steel cover reel with lifetime warranty	\$4772.00
1 ea.	Reel protective cover	\$187.00
	Tax	\$970.00
	Freight Charge	\$1,000.00
	TOTAL	\$13,727.00

Project Expenditure Summary:

Equipment	\$14,000
Incidentals (project management, advertising, printing)	<u>\$ 2,100</u>
Total	\$16,100

Funding Summary:

Prop 13 Urban Water Conservation Grant	\$14,000
City of West Covina Pool Maintenance Fund	<u>\$ 2,100</u>
Total	\$16,100

This grant proposal is for the one time purchase of a pool cover and associated appurtenances for the City's community pool. The ongoing utility and personnel costs for the swimming pool will continue to be the responsibility of the City. The City will also maintain responsibility for the ongoing storage and maintenance of the pool cover.

- A. Cost-Sharing. The City will commit to provide the funding for advertising and bidding out the project as well as the additional personnel costs involved in the project. Additionally, since the West Covina Unified School District is a co-beneficiary, they may also commit to some funding, however, they have not made any commitment at this time.

- B. Benefit Summary and Breakdown. The following is a comparison of the current water consumption at the community pool with the projected water consumption with a pool cover:

Current water consumption	428,600
Projected water consumption	<u>318,000</u>
Total annual water savings	110,600 gals. (.34 acre ft.)

With an approximate life span of seven years, the total estimated water savings should be 2.38 acre feet of water during the duration of the useful life of the pool cover.

The following comparison provides the current utility costs with the projected utility costs with a pool cover:

Current energy & water costs	\$32,600
Projected energy costs w/pool cover	<u>\$24,600</u>
Total annual utility savings	\$ 8,000

Once the pool cover is installed, we also anticipate a savings on chemicals required to stabilize the pool. We will be able to quantify this savings once the pool cover is in use by tracking the amount of chemicals purchased and dispersed.

- C. Assessment of Costs and Benefits. As shown in the previous comparison, the benefits are two-fold; there are energy savings in water and gas, and there are cost savings. The following table illustrates the beneficiaries and quantifies the benefits for this project.

Beneficiary	Benefit	Measurement
City of West Covina*	Utility savings	\$4,000 annually
West Covina Unified School District	Utility savings	\$4,000 annually
Suburban Water Company	Water reduction pursuant to CALFED program objectives and principles	110,600 gallon reduction annually
Southern California Gas	Natural gas reduction	24% reduction

*The City should also realize chemical savings.

A. Outreach, Community Involvement and Acceptance

For this project, City staff contacted the West Covina School District to ensure their support primarily because they are the biggest users of the community pool. Staff also

contacted the Upper San Gabriel Valley Water District, a member agency for the Metropolitan Water District, and Suburban Water Company, the largest water purveyor in West Covina. The support letters from these entities are included in this proposal except the Upper San Gabriel Valley Water District which will be mailed out on March 1, 2002.

The City of West Covina utilizes various media venues to keep its residents informed and involved with issues and events. This cooperative project will be ideal to publish in the City's monthly newspaper with a picture and article describing the many benefits of the project made possible from Proposition 13 Urban Water Conservation Program funding.

Another media venue is the City's web site www.westcov.org. City staff provides continual updates of City projects and events. The project information would be put on the web site making it easily accessible to the public at large.